Space Syntax: Architecture & Cities MRes

Programme Information Sheet

This document provides details of the structure and content of this programme.

An outline of the structure of the programme can be seen in the table below:

Programme modules

As a student on the programme, you will specialise in one of several subjects such as buildings and organisations; urban, suburban, planned and unplanned settlements; or spatial modelling and evidence-based design. You

range of contemporary, historical and cross-cultural case studies that explore themes such as emergent organisational behaviours, innovation and sustainability. An important component of the module is a programme of London-based site visits, which provides students with a range of examples to encourage them to reflect on the theoretical arguments and themes

A series of lectures based on case-study examples will show how these methods have been deployed in architectural practice. The curriculum combines grounded qualitative methods with quantitative descriptive methods of spatial and configurational analysis and observation. Research methods from allied disciplines, such as geographic information systems (GIS), social anthropology and sociology are also introduced. Students undertake a group research project in the first term and an individual

Dr Sophia Psarra – Reader of Architecture and Spatial Design

Sophia's research explores spatial morphology through computer modelling, the interaction between architecture and the user, de-industrialisation and urban regeneration, and design research. Her activities in these areas have resulted in publications, creative installations and design projects. As a practising architect, she has won first prizes in international architectural competitions and her work has been exhibited across Europe.

Dr Kerstin Sailer - Reader of Spatial and Social Networks

Kerstin is a trained architect and has developed a business process examining links between space and effectiveness in the workplace at Spacelab Architects. Her research explores office buildings, universities, workplace environments, hospitals and schools. She is interested in the relationship between spatial configuration and usage processes, organisational theory and behaviour, social network analysis, and evidence-based design practices.

Professor Laura Vaughan – Professor of Urban Form and Society

Laura is Director of the Space Syntax Laboratory. Her research interests lie in the relationship between urban form and society and she has been principal/co-investigator for UK and EU funded research totalling over £6 million. Her interdisciplinary 'Adaptable Suburbs' research investigated London's outer suburban evolution and she recently completed a collaborative project concerning community severance and walkability.

Dr Tasos Varoudis – Senior Teaching Fellow

Tasos is a senior teaching fellow, professional architect and computing engineer with research focusing on hybrid architecture, computational analysis and machine intelligence. In the Space Syntax Laboratory, he is developing methodological and computational innovations which combine spatial data-driven models with machine learning and agent-based models. He is the lead developer of 'depthmapX' spatial network analysis software, the most widely used tool in space syntax research and practice.

Dr Kinda Al-Sayed – Teaching Fellow

Kinda teaches on the Space Syntax: Architecture and Cities MSc and MRes programmes and is a research associate on Proxies. She has studied at

External examiners for the programme have in recent years included: Sue McGlynn, Sarah Chaplin and Gordana Fontana-Giusti.

Find out more

Research/community

- Find out more about the Space Syntax Network
- Find out more about Space Syntax in professional practice
- Join the Space Syntax and UCL Depthmap discussion groups

Software

- Find out more about space syntax software

The Space Syntax Online Training Platform (OTP)

The Space Syntax Online Training Platform introduces the fundamentals of space syntax theory and provides a unified training resource for academics and practitioners alike.

- Visit the Space Syntax Online Training Platform

Publications and articles

- View the open-access Journal of Space Syntax
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